Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/04/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124389	-1	2.41	124415	2.43
Blue	F	SSC	125000	124110	-1	3.53	124888	3.45
Blue	E	FITC	14203	13689	-4	2.85	298	14.76
Blue	D	PE	25703	25215	-2	2.46	546	10.37
Blue	B	PerCP-Cy5-5	42104	41186	-3	3.28	917	14.64
Blue	A	PE-Cy7	34646	34240	-2	4.49	488	29.22
Red	C	APC	49824	49260	-2	3.12	1507	11.60
Red	A	APC-Cy7	39773	38742	-3	3.09	722	11.84
Violet	B	V450	7447	7138	-5	4.06	406	11.82
Violet	A	V500	31193	29763	-5	3.88	677	9.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21554	2.80	547	-9	N/A	N/A	Pass
Blue	F	SSC	55076	2.93	512	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	482	-4	0.0463	159	Pass
Blue	D	PE	107	39.02	484	-1	0.4493	351	Pass
Blue	B	PerCP-Cy5-5	176	35.58	575	-2	0.0192	44	Pass
Blue	A	PE-Cy7	111	63.81	619	-1	0.0222	2	Pass
Red	C	APC	351	24.37	569	2	0.0272	107	Pass
Red	A	APC-Cy7	200	24.86	545	1	0.0062	785	Pass
Violet	B	V450	89	38.21	458	9	0.0553	1541	Pass
Violet	A	V500	118	27.80	475	8	0.0265	509	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.55	-31.34	0.93
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.25	15.99 - 23.99	N/A	N/A	29.79	30.01	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10754

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments